

WHAT IS CLAIMED IS:

1. A paper feeder apparatus, comprising:

a paper feed roller that feeds a document;

a separator that prevents double feeding of documents together with said paper feed roller;

a pressing arm that presses said separator towards said paper feed roller;

a document guide provided with a pair of guide portions, the guide portions being located at both longitudinal edges of said separator, the guide portions guiding the document so that a front edge of the document passes over said paper feed roller, the guide portions pressing the document to said paper feed roller; and

a spring element that provides spring force to said pressing arm and said document guide so that said pressing arm presses said separator and said document guide presses the document to said paper feed roller.

2. The paper feeder apparatus according to claim 1, wherein

said document guide is movably mounted at a first support point spaced apart from a first pressing point at which the document is pressed to said paper feed roller,

said pressing arm is movably mounted at a second support point which is located between the first support point and a second pressing point at which said separator is pressed,

said spring element applies spring force between the first support point and the first pressing point of said document guide in a first direction and applies a spring force on a side of the second support point opposite the second pressing point in a second direction.

3. The paper feeder apparatus according to claim 2, wherein a position at which said spring part applies spring force to said document guide is located near the first support position.

4. The paper feeder apparatus according to claim 1, further comprising a spring force controlling section that controls the spring force of said spring element, said spring force controlling section being located between said spring part and said document guide.

5. The paper feeder apparatus accounting to claim 1, further comprising a spring part, said spring force controlling section being located between said spring part and said pressing arm.

6. A facsimile apparatus comprising:
the paper feeder apparatus according to claim 1.

7. A paper feeder apparatus, comprising:
a paper feed roller that feeds a document;
a separator that prevents double feeding of documents with said paper feed roller;
a pressing arm that presses said separator to said paper feed roller;
a document guide that has a pair of guide members, the guide members being located at both edges of said separator, the guide members guiding the document so that a front edge of the document passes over said paper feed roller, the guide members pressing the document to said paper feed roller, said document guide comprising a one piece resin member; and

a spring part that provides spring force to said pressing arm and said document guide so that said pressing arm presses said separator and said document guide presses the document to said paper feed roller.